

CIPEROVA, V.; DOKOCIL, M.; TACHOVSKA, M.

The fibular sign, Rev. Czech. med. 9 no.4:258-269 '63.

1. Department for Treatment of Poliomyelitis, Thomayer Hospital, Institute of Anatomy Faculty of General Medicine, Prague Chief. M. Tachovska, MD.

(POLIOMYELITIS) (FIBULA) (TIBIA)
(ANKLE) (JOINT DISEASES) (CONTRACTURE)
(PARALYSIS)

TACHOVSKA, M.; CIPEROVA, V.; SKOPCOVA, B.

Our experiences with the treatment of poliomyelitis using the
Sister Kenny method. Cesk. pediat. 18 no.6:500-507 Je '63.

1. Oddeleni pro leceni nasledku po detske obrne Thomayorovy
nemocnice v Praze, vedouci MUDr. M. Tachovska.
(POLIOMYELITIS) (REHABILITATION)

TACHOVSKA,M.; CIPEROVA,V.; DOSKOCIL, M.

Longitudinal study on the growth of bones of the lower extremity in children following poliomyelitis. Cesk. pediat. 18 no.11: 1003-1013 N°63.

1. Oddeleni detskych obrn Thomayerovy nemocnice v Praze - 4 krci, a Anatomicky ustav fakulty vseobecneho lekarstvi KU v Praze.

DR SKOCIL, M.; TACHOVSKA, M., MUDr.; CIPEROVA, V.

Growth disturbance of the bones of the proximal extremity after
poliomyelitis; comparison with findings on the distal extremity.
Sborn. lek. 67 no.4:101-108 Ap'65.

1. Anatomicky ustav fakulty vseobecneho lekarstvi University
Karlovy v Praze (prednosta: prof. dr. L. Borovansky, DrSc), a
Oddeleni detskych obrn Thomayerovy nemocnice v Praze-Krci
(vedouci: MUDr. M. Tachovska).

TACIKOWSKI, Jan; SOBUSIAK, Tadeusz

Tool steel diffusion chrome hardening in powders. Inst mech
precyz 10 no.1:32-50 '62.

TACIKOWSKI, Jan; SOBUSIAK, Tadeusz

Diffusion chrome hardening of tool steels in powders. Inst mech
precyz 10 no.35:32-50 '62.

ZMIKOWSKI, Edward; TACIKOWSKI, Jan

Influence of the fast alternating magnetic field on the steel
nitriding process. Inst mech precyz 10 no.36:1-8 '62

TACIKOWSKI, Jan

Induction nitrogen hardening of Armco iron in aqueous ammonia
solution under temperatures close to the melting point of iron.
Inst mech precyz 11 no. 39:36-41 '63.

L 12286-63

EWP(Q)/EWT(M)/BDS
JDAFFTC/ASD
S/081/63/000/005/043/075

55

AUTHOR: Tacikowski, U. and Sobusiak, T.

(P)

TITLE: Diffusion chrome plating of instrument steel using ferrochrome
powders

27

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 5, 1963, 353, abstract 5K37
(Prace Inst. mech. precyzyniej, 1962, Vol. 10, no. 35, 32 - 50)

TEXT: The effect of granulation of ferrochrome ($\sim 4\% C$) on the thickness and quality of chrome plated layers was studied. The formation of a quality chrome plate on poor chrome plating steels is possible by a very finely granulated ferrochrome (0.001 - 0.005 mm). In cases of good chrome plating steels an increase in the size of the grains of ferrochrome decreases the thickness of the diffused layer. Among the investigated steels, unalloyed high carbon steels (75, NIIE) and alloyed chrome and chrome-tungsten steels (NC₄, NC₆, MWC) took the chrome plating well. High carbon high chromium steel (NC₁₀) and also low alloyed middle carbon steels (WNL, NZ₃) took the chrome plate poorly. The influence of the type and quantity of the activator in the

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L 12286-63

Diffusion chrome plating of

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S/081/63/000/005/043/075

powder and the dependence of these factors on the granulation of the ferrochrome was established. The type of activator (NH_4I , NH_4Cl) has no effect when the ferrochrome is fine grained. When the ferrochrome is coarse grained the action of NH_4I has a much better effect on the chrome plating. The increase in the number of activators in powder of fine grained ferrochrome brings about a decrease in the thickness of the coat, but with coarse grains, the coat thickens and its quality is affected. The best results in chrome plating are obtained when a fine grained ferrochrome (0.001 - 0.005 mm) containing 0.5 % activator, is used. The effect of temperature and time of process on the chrome plating, and also means of regenerating the processed powder of ferrochrome is also described. The article contains a 7 item bibliography. Ya. Papirov.

[Abstractor's note: Complete translation]

Card 2/2

СИБИРЬ ВАЛЯ

ВОЛЫНЬ, А; ПАУЛ, А; РУС, В.

1. Оре Минерал (Сибирь долы), Приман (фор Блум и Фас); 2.
Геологический Институт (Геологичный Приман), Приман (фор Рус)

Статья, зарубежные геология и геология, № 1, 1964, № 73-

"The Occurrence of Selenium Mineral. In the Northwestern Part of
the Sealcany-Uralia Metamorphic 'Island'."

BOUSKA, Vladimir; HAVLENA, Vaclav; TACL, Alexandr

Geochemical and petrographic examination of upper seams of the
Doubrava layers in the Ostrava-Karvina coalfield. Cas min geol
9 no. 1:57-67 '64.

1. Prirodovedecka fakulta Karlovy university (for Bouska and
Havlena). 2. Rudne doly, Pribram (for Tacl).

BLUML, Antonin; TACL, Alexandr; RUS, Vratislav

Occurrence of selenium minerals in the southwest section of the
Sedlcany-Krasna Hora metamorphosed island. Cas min geol 9 no. 1:
73 '64.

1. Rudne doly, n.p., Pribram (for Bluml and Tacl). 2. Geologicky
pruzkum, n.p., Pribram (for Rus).

NESTORESCO, N.; POPOVICI, Marcella; FILOTI, Aurica; NOVAC, Stela; VLADOIANU, I.R.; BADULESCO, Elena; DIMACHE, Gh.; TACO, D.; DOHOTARU, V.; BERCAN, A.

Characteristics and incidence of Salmonella of the "C" group in the pigs used for the preparation of the swine pest virus. Possible relation to human Salmonella infections. Arch. roum. path. exp. microbiol. 21 no.1:81-87 Mr '62.

1. Institut "Dr. I. Cantacuzino" (for Nestoresco, Popovici, Filoti, Novac, Vladicoanu, Badulesco, Dimache). 2. Institut Pasteur — Bucarest (for Taco, Dohotaru, Bercan).

(SWINE DISEASES) (SALMONELLA INFECTIONS, ANIMAL)

SPIRCHEZ, T., Conf.; STOIGHITA, S., dr.; MARINESCU, E., dr.; SCHIAU, S., dr.; DULGHERU, C., dr.; CONSTANTINESCU, S.; TACORIAN, S., dr.; ALOMAN, L., dr.; IONESCU, F., dr.; STOICA, M., dr.; TACORIAN, L., dr.; ALOMAN, N., dr.

Clinical study of dystonia of the afferent loop and hepato-biliary disorders in gastrectomized patients. Med. int., Bucur. 9 no. 3: 350-365 Mar 57.

1. Lucrare efectuata in Clinica a V-a medicala si terapeutica Bucuresti, director conf. T. Spirchez.

(GASTRECTOMY, complications

postop. afferent loop synd., case reports)

(BILIARY TRACT, diseases

post-gastrectomy disorders, case reports)

RUMANIA / Human and Animal Physiology (Normal and Pathological).
Digestion.

Abs Jour : Rev Zbur - Biologie, No 13, 1958, No. 60A96
Author : Spirachez, T.; Stoichita, S.; Marinsecu, K.; Schimiu, S.;
Dulgheru, C.; Constantinescu, S.; Tucorian, N.;
Aloman, L.; Ionneu, F.; Stoica, M.; Cileanu, L.;
Aloman, N.
Inst : Not given
Title : Pathophysiology of the Afferent Intestinal Loop and
Hepatic and Biliary Duct Diseases After Gastric
Resection
Orig Pub : Med. Interna, 1957, 9, No 2, p31-947
Abstract : No abstract given

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SPIRCHEZ, T., Conf.; STOICHITA, S., dr.; MARINESCU, E., dr.; SCHIAU, S., dr.; DULGHERU, C., dr.; CONSTANTINESCU, S.; TACORIAN, S., dr.; ALOMAN, L., dr.; IONESCU, F., dr.; STOICA, M., dr.; TAGURIAN, L., dr.; ALOMAN, N., dr.

Clinical study of dystonia of the afferent loop and hepato-biliary disorders in gastrectomized patients. Med. int., Bucur. 9 no.3:350-365 Mar 57.

1. Lucrare efectuata in Clinica a V-a medicala si terapeutica Bucuresti, director conf. T. Spirchez.

(GASTRECTOMY, complications
postop. afferent loop synd., case reports)
(BILIARY TRACT, diseases
post-gastrectomy disorders, case reports)

STOICHIITA, S.; MARINESCU, E.; STECIACI, A.; STECIACI, L.; TACORIAN, S.

Investigations of the clinical use of a personal method of volumetric study of the gallbladder in diagnosis of biliary dyskinesia. Med. int., Bucur. 10 no.5:769-777 May 58.

1. Incrare efectuata in Clinica a V-a medicala si terapeutica, Spitalul "Vasile Roaita" I.M.F., Bucuresti, director, prof. T. Spirchez.

(BILIARY TRACT, diseases

diag., volumetric cholecystography, comparison with minute-timed intubation)

(GALLBLADDER

volume determ. in biliary dyskinesias, method & value)

SPIRCHIUZ, T., prof.; GHEORGHESCU, B.; MERCULIEV, A.; VOICULET, N.;
CONSTANTINESCU, S.; STOICHITA, S.; DULGERU, C.; TACORIAN, S.;
RUSSU, H.

A study by means of radioactive isotopes of the blood volume and of
the exchanged between the peritoneal cavity and the blood in cirrhosis.
Romanian M Rev. no.2:15-18 Ap-Je '60.

(LIVER CIRRHOSIS complications) (BLOOD VOLUME)
(ASCITES etiology)

SPIRCHEZ, T., prof.; STOICHITA, S., dr.; TACORIAN, S., dr.; RUSSU, M., dr.;
SCHIAU, S., dr.; CONSTANTINESCU, S., chemist; CLEJAN, L., chemist;
BANDU, L., dr.

Secretory and motor disorders in the function of the operated stomach.
Med. intern., Bucur 13 no.2:201-210 F '61.

(GASTRECTOMY complications)
(STOMACH physiology)

VICIU, E., dr.; ARSENESCU, Gh., dr.; RUSSU, M., dr.; DULGHERU, Carmen, dr.; BREASLA, I., dr.; CHEORGHESCU, B., dr.; TACORIAN, S., dr.

Investigations of cardiovascular disorders in patients with portal cirrhosis with ascites. Med. inter., Bucur 13 no.3:389-399 Mr '61.

1. Lucrare efectuata in Clinica a V-a medicala, Spitalul "Vasile Roaita" I.M.F., Bucuresti, director prof. T.Spirchez.
(LIVER CIRRHOSIS complications) (ASCITES complications)
(CARDIOVASCULAR DISEASES)

SPIROHEZ, T., prof.; STOICHIITA, S., dr.; GHIORGHESCU, B., dr.; BROSTEANU, E., dr.; MARINESCU, Eliza, dr.; TACORIAN, S., dr.; MUSSU, M., dr.; STECLAGI, A., ing.; MECULEIU, Elena, fizician; HUSNAG, C., chim.; VASILESCU, V., fiz.; STOICA, M.

Contributions to the etiopathogenesis of the early postprandial syndrome in gastrectomized patients. Med. inter., Bucur 13 no.5: 749-758 My '61.
(GASTRECTOMY complications)

VINTU, A., dr.; VASILESCU-NAN, F.; TACORIAN, S., dr.

Contribution to the study of the changes in distribution of serum
amino acids in chronic hepatitis. Med. intern. 14 no.6:741-749 Je '62.

(AMINO ACIDS) (BLOOD CHEMICAL ANALYSIS)
(CHROMATOGRAPHY) (HEPATITIS)

SPIRCHEZ, T., prof.; TACORIAN, S., dr.

Value and limitations of exploratory tests in chronic gastritis.
Med. intern. (Bucur.) 17 no.9:1013-1024 S '65.

1. Lucrare efectuata in Clinica a V-a medicala, Centrul de gastro-enterologie, Bucuresti (director: prof. T. Spirchez).

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4"

PADOVEC, J., doc.; KOUTSKY, J.; TACOWSKA, Z., C.Sc.

Prolonged labor and cesarean section. Cesk.gyn.25[39] no.6:
440-444 J1'60.

1. Gyn.por. klinika LFH KU v Praze 12, prednosta doc.dr.J.Padovec.
(LABOR comol)
(CESAREAN SECTION)

RUMANIA / Farm Animals. Small Horned Stock.

Q-2

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105681.

Author : Teodoreanu, N.; Nichita, G., Popescu, I.,
 Tacu, A., Burlacu, G.

Inst : Rumanian Academy.

Title : Study of the Intensity of the Respiratory and
 Energy Metabolism in Lambs of the Grey and
 Black Breeds.

Orig Pub: Bul. stiint. Acad. RPR. Sec. biol. si stiinte
 agric. Ser. agron., 1957, 9, Nr 1, 41-50.

Abstract: No abstract.

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"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4

RUSU,D., prof.; HALALAU,I.,conf.; TACU,A.

Determination of production capacity, factors which condition
it, and importance of its determination. Ind text Rum 12 no.7:
269-273 Jl'61

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4"

TACU, Al; DAVIDEANU, N.

Study on the analysis of increase of labor productivity in integrated cotton mills. Ind text Num 14 no.2:49-54 F '63.

1. Academia R.P.R. - Filiala Iasi.

RUSU, D., prof.; TACU, Al.; JICA, P.

Aspects of the use of manpower in the textile industry. Ind
text Rum 14 no.5:199-203 My '63.

FLORESCU, St.; TACU, A.

Studies on the cholesterolemia correlation with the milk production
of the Baltata Romineacsa cow. Studii cerc biol anim 15 no.1:7-17
'63.

Ricard, M. et al; Section of Physiology at the Institute for Technical Research (Sectia de Fiziologie din I.T.R.)

"Phenotypical, Genetic and Environmental Variance and Covariance"

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 16, No. 6,
June 1968; pp. 21-31

Abstract: Review of phenotypes and genotypes; chromosomal loci; mono-, di-, and tri-hybrids; homo and heterozygotes; frequency of genes in populations; determinations or change in the frequency of specific traits in a population in breeding under various circumstances; factors in well-planned breeding programs of key domestic animals. 4 tables.

1/1

TACU ; CORNEȚIA

Catalytic cracking of gas oil. Ioan V. Nicolescu, Traian Filotti, Corneliu Tacu, and Al. Papia (Petroleum Research Inst., Bucharest, Rumania). Acad. rep. populară Române, B.I. fizică, Sect. fizică și chim. 5, 157-84 (1953). The effect of calcining temps. of 300-750° on the aromatic index, porosity, bulk wt., and water loss of aluminate-silicate catalysts was investigated, and it was found that the porosity and the aromatic index of catalysts heated not higher than 350° is higher than for catalysts treated at higher temps. Catalysts contg. 12% Al_2O_3 and heated to 400-600° had a porosity of 139-138 and an aromatic index of 51-50 which is higher than the values for catalysts contg. 5 or 20% Al_2O_3 . The apparent d. for catalysts contg. 12 and 5% Al_2O_3 , resp., is 0.6 and 0.8, after heat treatment at 400-600°. The catalytic activity cannot be predicted from these data, and it was evaluated by cracking a semiparaffinic gas oil. The catalyst contg. 12% Al_2O_3 gave a gasoline yield of 38.6-42.4%. Gasoline obtained with a catalyst contg. 5% Al_2O_3 contained 14% olefins, because the insufficient no. of active centers in the catalyst favors olefin formation instead of isomerization, alkylation, or dehydrogenation of the cracked hydrocarbon. The amt. of aromatization in general is influenced by the same factors which govern the production of olefins. The catalyst contg. 5% Al_2O_3 gives 54% aromatic hydrocarbons, while the catalyst contg. 12% Al_2O_3 gives 34%. The catalyst most suitable for aromatization has an Si-O lattice which connects the active centers of the Al silicate. Aromatization is due also to dealkylation and dehydrogenation of the naphthenic acids in the gas oil. Based on these findings, pilot-plant runs were made which yielded 42.2% (by vol.) of gasoline with an octane no. of 81.2. 33 references.

Werner Jacobson

(P-3 C) (U)

SEARCHED	1	INDEXED	1
SERIALIZED	1	FILED	1
ABSTRACT No. 13850, No. 13850			
AUTHOR	B. N. Kozenskii, I. V. Ponomareva, I. V. Ryzhenko, A. V. Tikhonov		
TYPE	MATERIALS SCIENCE		
FIELD	Research on Catalystic Cracking Catalysts.		
Part II.			
J. Russ. Phys. Chem. Soc., 1957, 6, No. 1, 15-21.			
Title Chir., 1957, 6, No. 1, 15-21.			
ABSTRACT A study of the effect of montmorillonitic clays on structure of natural catalysts and bentonitic clay on sorption characteristics and catalytic activity. X-ray diffractometric studies were made of three samples, with variation of Debye-Scherrer patterns, changes in absorption capacity of Debye-Scherrer patterns, changes in sorption characteristics, variation of catalytic activity, porosity, and water index, were studied over temperature range of 100-500°, and of the effect of these changes on catalytic activity. Laboratory experiments were conducted on catalytic cracking of semi-paraffinic petroleum distillate. On the basis of experimental data the authors believe that a close correlation exists between montmorillonitic structure			
CARD: 1/2 * Tach, G.			
ABSTRACT 1 sorption characteristics, and catalytic activity of the catalysts. Only those bentonitic clays reach maximum catalytic activity, the Debye patterns of which show no predominance of kaolinite lines. Part I see ZhZhKhim, 1956, No 5, 13850. -- S. Kozenskii d.			
CARD: 2/2			

RUMANIA / Diseases of Farm Animals. Diseases Caused by Viruses
and Rickettsiae.

R

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7452

Author : Grigoriu, N.; Tacu, D.; Danilescu, G.

Inst : Bucharest Pasteur Institute of Sera and Vaccines

Title : Investigations of Applying Aluminum-Hydroxide
Formolvaccine in Infectious Agalactia of Sheep

Orig Pub : Anuarul Inst. soruri si vacc. Pasteur Bucuresti, 1956,
1, 95-98

Abstract : The authors prefer formolvaccine (2 percent of formalin)
to carbolic vaccine, since it does not differ from the
latter as far as its immunogenicity is concerned, while
losses occurring because of contamination during pre-
paration are considerably lower.

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RUMANIA/Diseases of Farm Animals - Diseases Caused by Bacteria
and Fungi

R

Abs Jour : Ref Zhur Biol., No 5, 1959, 21⁴⁰²

Author : Tacu, D.

Inst : Pasteur Institute of Sera and Vaccines, Bucuresti

Title : The Immunogenic Properties of the Fowl Anticholera
Vaccine Formalized Before and After the Addition of
Aluminum Hydroxide.

Orig Pub : Anuarul Inst. serufl si vacc. Pasteur bucuresti, 1957,
2, 371-378

Abstract : It was demonstrated that monovalent, as well as polyvalent
vaccines against fowl cholera, formalized after the
addition of aluminum hydroxide to cultures, produce more
stable immunity than the same vaccines formalized before
the addition of aluminum hydroxide. -- From the author's
summary.

Card 1/1

- 17 -

Country	: RUMANIA	R
Category	: Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi	
Obs. Jour.	: Ref Zhur-Biol, No 23, 1958, No 105804	
Author	: Grigoriu, N.; Tacu, D.; Moldovan, G.	
Institut.	: Pasteur Institute of Sera and Vaccines, Bucharest	
Title	: Polyvalent Vaccine Against Hemorrhagic Septice- mia of Swine with the Addition of Aluminum Hydroxide	
Orig. Pub.	: Anuarul Inst. seruri si vacc. Pasteur Bucuresti, 1957, 2, 415-424	
Abstract	: No abstract.	
Card:	1, -	

R - 3

Document: RUMUNIA

Personalia Subject: -Dr.-

Institution: "Pasteur" Institute of Serums and Vaccines (Institutul de Seruri si Vaccinuri "Pasteur"), Bucharest
Source: Revista de Probleme Zootehnice si Veterinare, Vol XI, No 9,
Bucharest, pp 70-72.

Title: "New Data on the Latest Epizootic of African Pork Pest Which Recently Appeared in Europe."

GPO 981643

MAMFILATIU, V., IUGO, Florentina, Transilvania.

Increasing the corn production by treating the soil with
electromagnetic radiation. Studii cercetare nr. 17 no. 1:
63-70 '64.

L. Chair of Plant Technology, "N. Ballescu" Agronomic Institute.
Submitted October 3, 1963.

PANTEA V., Ing.; MOLDOVAN, C., ing; TACU, T., ing.; EPURE, M., ing.

Electromagnetic hardening control system based on the
changing of steel magnetic properties. Metalurgia constr
mas 15 no.8:508-511 Ag '63.

TA Ce, V.

6

Utilization of the sulfur dioxide from the combustion gases of lignites in thermal power plants. L. Blun, M. Rosenberg, and V. Tarcu. Acad. rep. populare Romane, in energie, Studii cercetari energie, 6, No. 1/2, 81-90 (1950).—The SO₂ recovery from combustion gases of coal used as fuel in thermal power plants is studied for 3 types of Romanian brown coals and lignites with 1-7% total S. The fuel consumption is about 100,000 tons/year for a power plant of 10,000 kw. and 1 million tons/year for one of 100,000 kw. The theoretical recovery is 1314 to 13,140 tons and 13,140 to 131,400 teus SO₂/year, resp. It is concluded that the proposed and actual methods have proved successful technically but unsatisfactory economically.
R. D. Shulerman

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EXCERPTA MEDICA Sec 8 Vol 12/6 Neurology June 59

2989. FUNCTIONAL DISTURBANCES OF THE DIAPHRAGM IN ASTHENIC NEUROSIS - Tulburări în funcția diafragmului în neuroza astenică - Enescu L., Chisorean G., and Tacu V. - BUL. STI. SEC. STI. MED. (București) 1957, 9/1 (45-50)

Thirty patients with asthenic neurosis and subjective cardiac symptoms (cardiac neurosis) were examined for the presence of diaphragmatic disturbances and for a possible relationship between these and the cardiac symptoms. Valsalva's, Müller's and Hützenberger's tests were carried out. Many cardiac patients also presented disorders of the diaphragm. Eight cases showed abnormal elevation of the left side of the diaphragmatic muscle during rest, and in 6 the diaphragm was lifted by air contained in the stomach or colon. In 5 cases the lowering of the right side at forced inspiration was retarded. The Valsalva test revealed abnormal movements of one half of the diaphragm in 9 cases. Immobility or lowering of both halves (15 cases) is considered to be principally due to abdominal pressure, and indicates a diminution of the abdominal muscular tone. No relationship was found between the subjective cardiac symptoms and the diaphragmatic disorders, except in the case of presence of air in the stomach or colon which elevates the diaphragm. The diaphragmatic disorders are not due to distension, because when air was inflated experimentally the patients felt a different pain. They are attributed to disturbances of either the phrenic nerve centres or the correlation between these centres and those of the other respiratory muscles. They may be a possible manifestation of asthenic neurosis.

Pușcariu - Orasul Stalin

ENESCU, I., acad.; TACU, V., dr.; COSMA, M., dr.

Grave supraventricular paroxysmal tachycardia after myocardial infarct. Med. int., Bucur. 12 no.1:85-91 Ja '60.

1. Lucrare efectuata in Clinica a III-a medicala, Iasi, director:
acad. I. Enescu.
(MYOCARDIAL INFARCT, complications)
(TACHYCARDIA, PAROXYSMAL, etiology)

RUMANIA

BODEANSCHI, I., Dr, Col, and TACU, V., Dr, Maj [affiliation not given]

"Plant Mycoses and Their Prophylaxis in Military Units."

Bucharest, Revista Sanitara Militara, Vol 62, No 2, Mar-Apr 66,
pp 365-370.

Abstract: The authors discuss the most common types of plant mycoses encountered in military units, suggesting appropriate methods of diagnosis, treatment and prevention. Emphasis is on suitable sanitary measures to ensure that the infections will not spread, and on education measures regarding hygiene.

Includes 7 Rumanian references. -- Manuscript submitted
14 August 1965.

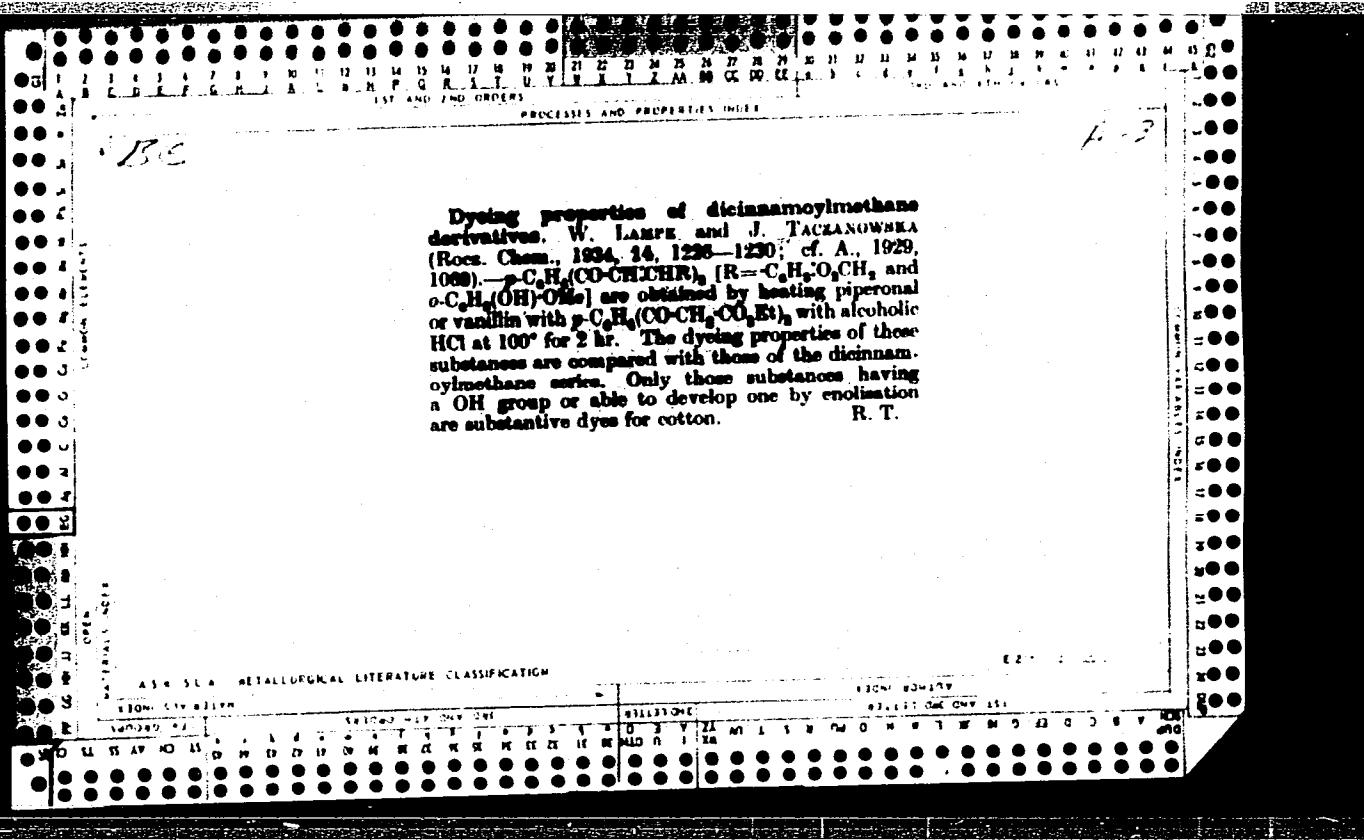
1/1

- 35 -

CZELLI, Ion; TACUTU, Gheorghe

Use of autoblowing injectors with tunnel type rebaking furnaces. Metalurgia constr mas 14 no.9:799-800 S '62.

1. Uzina Otelul rosu.



CA

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Dyeing properties of dicinnamylmethane derivatives.

W. Lampe and J. Taczanowska, Roczniki Chem. 14, 1226; 30 (1931); cf. C. A. 23, 4210. -*p*-C₆H₅(COCH₃)CH₂CHR₂ [R = C₆H₅CH₃ and *o*-C₆H₄(OH)OMe] are obtained by heating piperonal or vanillin with *p*-CinnH₂(COCH₃CO₂Et)₂ with alk. HCl at 100° for 2 hrs. The dyeing properties of these substances are compared with those of the dicinnamylmethane series. Only those substances having a OH group or able to develop one by emulsion are substantive dyes for cotton. B. C. A.

POLAND/Electronics - Electron and Ion Emissions.

Abs Jour : Ref Zhur - Fizika, No 6, 1959, 13448

Author : Bartela, M., Szczerbski, W., Taczanowski, A.

Inst : Physics Institute, Vacuum tube, PIE, Poland.

Title : Sintered Cathode of High Yield.

Orig Pub : Elektronika, 1958, 4, № 4-5, 173-174.

Abstract : Description of several experiments with sintered cathodes, made of a mixture of powders of nickel and carbonates of barium and strontium. The results are preliminary in nature.

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FRACKOWIAK, M.; TACZANOWSKI, A.

On a method permitting measurement of the partition of temperature
on the surface of thermionique cathode planes of very small dimensions.
Bul Ac Pol mat 8 no.4:255-258 '60.

1. Institut d'Electronique Industrielle, Varsovie. Presented by
A. Jablonski.

(Mensuration) (Temperature) (Cathode ray tubes)

45766

S/194/62/000/012/069/101
D295/D308

26.2.018
AUTHORS: Taczanowski, Andrzej, Derko, Halina and Źbikowski,
Antoni

TITLE: The influence of oxide cathode bombardment by Ar ions
on its noise

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,
no. 12, 1962, 12, abstract 12 Zh 78 (Prace przemysł.
inst. elektroniki, v. 2, no. 1, 1961, 71-74 (Pol.))

TEXT: Results are given of an experimental investigation of the
effect of the bombardment of an oxide cathode by Ar ions on the
emission current I_e and on the equivalent noise current I_n of a
diode. I_n is measured by the comparison method at a frequency of
4 Kc/s. The experiment is carried out at an Ar pressure of 2×10^{-5}
mm Hg, bombardment voltage of 392 V and bombardment currents of
0.2 ($220 \mu\text{A}/\text{cm}^2$) and 1.2 μA . It was found that I_n decreases with
increasing I_e . When bombardment is prolonged for 6 hours, a slow
Carri 1/2

S/275/63/000/001/001/035
D469/D308

AUTHOR: Taczanowski, A.

TITLE: Migration of barium over the surface of nickel

PERIODICAL: Referativnyy zhurnal, Elektronika i yeye primeneniye,
no. 1, 1963, 4-5, abstract 1A 14 (Prace Przemysl.
inst. elektroniki, v. 2, no. 2, 1961, 3-10 (Pol.;
summaries in Eng. and Rus.))

TEXT: In sintered nickel cathodes, consisting of a mixture of nickel powder with barium and strontium oxides, the source of thermo-electrons are, according to usual hypotheses, the oxides and nickel, covered with a single layer of barium atoms which permeate to the cathode surface. The migration of barium to the surface of nickel is investigated. A nickel foil was impressed into the surface of the sintered cathode. Also, photoelectric measurements were made under working conditions. The results obtained confirm the validity of hypotheses concerning migration of barium and its influence on the cathode emission. 7 references.

Card 1/2

S/275/63/000/001/001/035
D469/D308

Migration of barium ...

ASSOCIATION: Przemysłowy Inst. Elektroniki, Poland
Abstracter's note: Complete translation.

Card 2/2

15273
Z/057/62/000/005-6/024/049
E192/E582

AUTHOR: Taczanowski, A.
TITLE: Some surface phenomena in dispenser cathodes
PERIODICAL: Československý časopis pro fysiku, no. 5-6, 1962,
600 - 602

TEXT: Interruption of the thermal activation of pressed cathodes (50% carbonates, 70% Ni, pressure 6 t/cm², activation at about 1 070 °K) was found to lead to changes in their emissivity. This is illustrated in Fig. 1, where I_0 is the emission current before the interruption of activation ($T_0 = 750$ °K) and I_K is the emission current measured at temperature of activation; the ratio I_K/I_0 in Fig. 1 is plotted as a function of time t (hours). Measurements were also made on the changes in the photoelectric current emitted from the surface of a small nickel plate attached to the impregnated cathode. Secondly, the ratio I_K/I_0 for a nickel cathode with a thin layer of barium was measured as a function of time as well as the work function of a nickel cathode whose layer of barium was evaporated at 875 °C. The experiments showed that at pressures of Card 1/3

Z/057/62/000/005-6/024/049
E192/E382

Some surface phenomena . . .

10^{-7} to 10^{-8} mm Hg, the durability of very thin barium films was highly improbable. The values of the work function obtained were nearer to those of BaO (1.8 - 2.2 eV) than those relating to a multi-atomic barium layer on a nickel base (2.7 eV). The changes observed on the pressed or impregnated cathodes were therefore due to gradual oxidation of Ba on a Ni or W surface. Depending on the degree of vacuum in the tubes, these layers take different times to form. It can be assumed, therefore, that the emission mechanism in pressed and impregnated cathodes changes with time. There are 4 figures and 1 table.

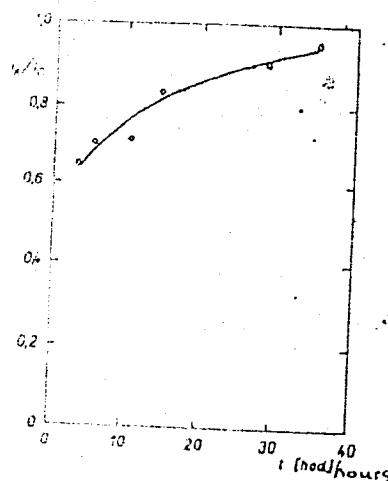
ASSOCIATION: Ustav průmyslové elektroniky, Varsaya
(Institute of Industrial Electronics, Warsaw)

Card 2/3

Some surface phenomena . . .

Z/037/62/000/005-6/024/049
E192/E382

Fig; 1:



Card 3/5

TACZANOWSKI, Andrzej; KOCZOROWSKA, Irena; BIALA, Zbigniew

Noise of impregnated cathodes. Przegl elektroniki 4 no. 2:
114-116 '63.

1. Przemyslowy Instytut Elektroniki, Warszawa.

JAKUBOWSKI, Sylwester; JUJ SZ, Witold; TACZANOWSKI, Waclaw; STANKIEWICZ,
Celina

Complicated union of the shaft of the femur. Chir. narz. ruchu
ortop. polska 26 no.6:641-644 '61.

l. Z Kliniki Chirurgii Urazowej Studium Doskonalenia Lekarzy w
Warszawie Kierownik: doc. dr J. Szulc.
(FEMUR fract & disloc) (FRACTURES UNUNITED)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4

TRNAVSKA, A.

Bottom deposits of Lake Drusino as a habitat for benthic fauna. p. 293.
(Ekologia Polska. Tom 4., Vol. 4, No. 2, 1956, Warsaw, Poland)

SO: Monthly List of East European Acquisitions (FEAL) 10, Vol. 6, No. 7, Aug 1956. Uncl.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4"

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4

TADASEYEV, A., polkovnik

Implant the habit of political training in officer candidates.
Voen. vest. 39 no.3:72-73 Mr '59. (MIRA 12:6)
(Military education)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4"

TADE, A.A.

Bilateral primary melanoblastoma of the choroid. Vest. oft. 73
no. 4:30-35 Jl-Ag '60. (MIRA 14:1)
(CHOROID-TUMORS)

TADE, A.A.; KOSTYUKOVA, T.D.; MILOVIDOVA, I.A.

All-Union conference on pigmented and vascular tumors. Vest.
oft. no.1:85-87 '62. (MIRA 15:11)
(TUMORS)

KRASNOV, M.L., prof.; SIVOSHINSKIY, D.S., dotsent; KOSTYUKOVA, T.P.;
TADE, A.A.; SEREBRYAKOV, N.G.

Case of successful use of yttrium beta-applicator in epibulbar
melanoblastoma. Trudy TSIU 71:239-242 '64. (MIRA 18:6)

1. Kafedra glaznykh bolezney (zav. prof. M.L. Krasnov) i kafedra
meditsinskoy radiologii (zav. prof. V.K. Modestov) TSentral'nogo
instituta usovershenstvovaniya vrachey i Moskovskaya glaznaya
klinicheskaya bol'niitsa.

Marine, V.

"Sustainable fishing." . 113. (Morsko Ribarstvo. Vol. 5, no. 7/8, 1953. Zagreb.)

SO: Monthly List of East European Accessions. Vol. 3, no. 3. Library of Congress. March 1954.
Uncl.

TAJDEJEVIC, Zdravko, ing. (Zagreb, Derencinova 22)

Berth occupancy in maritime harbors. Tehnika Jug 17 no.4:773-777
Ap '62.

1. Engineer in the Designing Enterprise "Projekt," Zagreb.

TADEJEVIC, Zdravko, inz. (Zagreb)

Analysis of long waves in harbors. Pt. I. Gradevinar 15 no.1:
1-5 Ja '63.

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4

TADEJEVIC, Zuravko, Inz. (Zagreb)

Analysis of the long waves (seiches) in harbors. Gradevinar 15
no.3:76-81 Mr '63.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4"

41975
P/056/62/013/004/1/001/001
I021/I221

202 2400
AUTHOR: Andrzej Danysz, and Tadeusz Zaczek

TITLE: Reactivity to chlorpromazine in acute radiation sickness

PERIODICAL: Acta Physiologica Polonica. v.13., no. 4, 1962,
477-482

TEXT: Since little work was done on the above subject, the authors investigated this problem in albino rats. Irradiation conditions: 300r, 160kV, 5mA, 1A1+0.5 Cu, distance 40 cm. At a dose of 1.25 mg/Kg of chlorpromazine, 90% inhibition of conditioned reflexes were observed in the irradiated rats, compared with 29% inhibition before irradiation. A stress relieving effect

Card 1/2

USSR / Cultivated Plants. Grains.

M-2

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24955

Author : Tadeosyan, Lezhava
Inst : Institute of Soil Science, Agrochemistry and
Melioration, Academy of Sciences Georgian SSR;
Institute of Field Cultivation

Title : Dosages of Nitrogen and Phosphorus for Winter Wheat

Orig Pub: Tr. In-ta pochvoved. AN GruzSSR, 1956, 7, 219-241
(Georgian, res. Russ.)

Abstract: An analysis is given of the results of field experiments made in 1950-1951 by the Institute of Soil Science, Agrochemistry and Melioration and the Institute of Field Cultivation, as well as of the material gathered from the one year large-scale experiment in the agrochemical laboratories of the rayons of the Georgian SSR. Small doses of nitro-

Card 1/2

22

Nitrogen and phosphorus doses supplied by fertilizer
and the yields of different citrus fruits. S. Chernavin and
P. Ya. Tadevosyan. Sovet. Naukropis 1940, No. 2, 45-42,
Chem. Zens. 1940, II, 743-4.—The primary requirement of
citrus fruits is N. Nevertheless, in order to obtain the
best utilization, about double the equiv. amt. of P_2O_5
must be present. Uniformly high yields are obtained only
from trees which do not bloom excessively and whose vegeta-
tive growth is held within normal limits. This is ac-
complished by maintaining the proper ratio of carbohydrate to N, which, in turn, depends upon the ratio
 $N:P_2O_5$. The amt. of P_2O_5 fertilizer required is detd. by
the phys.-chem. properties of the soil. Acid red-earth
soils which are very low in humus and which adsorb P_2O_5
rapidly are most frequently found on mandarin plantations.
When there is no melioration by the application of slag or
of peat and lime, 3 times the equiv. amt. of P_2O_5 must be
used on such soils. This requires about 3 kg. of super-
phosphate per tree. On poor soils which do not adsorb
 P_2O_5 , 2 kg. of superphosphate gives the best results. When
the soil is sufficiently rich in humus, the P_2O_5 dose can be
still further reduced. M. G. Moore

USSR/SOIL Science. Organic Fertilizers.

J-4

Ats Jour: Ref Zhur-Eiol., No 6, 1958, 24789.

Author : Tadeosyan, P. Ya

Inst : C

Title : Harvested Vetchling as a Green Manure in Eastern Georgia.

Orig Pub: Udobreniya i urozhay, 1957, No 3, 59-60.

Abstract: The shortage of manure in Eastern Georgia should be made up for by means of land-enriching legumes. One of the best is an aftercrop of chickling vetch. In the experiments of the years 1950-1956, vetchling ploughed at the end of October gave stable increases of the yield of winter wheat, sugar beet and tobacco (11-20%).

Card : 1/1

42

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4

BZNYAK, A.I.; TADEUSH, V.N.; IL'YUKEVICH, L.A.

Electron paramagnetic resonance of copper complex compounds in
the 8 mm. range. Zhur.strukt.khim. 6 no.5:779-781 S-0 '65.
(MIRA 18:12)

I. Belorusskiy gosudarstvennyy universitet imeni V.I.Lenina.
Submitted March 1, 1965.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4"

L 14006-66 EWT(m) DIAAP
ACC NR: AP6002469

SOURCE CODE: UR/0386/65/002/011/0522/0526

AUTHOR: Bogdanov, A. P.; Tadeush, V. N.; Firsov, Ye. I.

34
32
B

ORG: Institute of Physics, Academy of Sciences BSSR (Institut fiziki Akademii nauk BSSR)

TITLE: Determining the parameter for a mixture of M1- and E2-radiations for the 0.341 Mev transition in the Ti⁴⁹ nucleus /9

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 2, no. 11, 1965, 522-526

TOPIC TAGS: titanium, gamma radiation, gamma transition, transition radiation

ABSTRACT: The authors attempt to resolve the contradictory data in the literature on the multiplicity of γ -radiation for the 0.341 Mev transition in the Ti⁴⁹ nucleus. One source finds this transition to be a mixture of M1+E2 with a mixture parameter of -0.1 for +2.2. Another work finds evidence of a pure M1- transition. The authors irradiated a titanium target 8 mm in diameter and 2 mm thick with a collimated neutron beam with a flux of $4 \cdot 10^6$ neutrons/cm²·sec. The γ -radiation detectors were two scintillation counters with thallium-activated sodium iodide crystals 70 mm in

Card 1/2

2

L 14006-66
ACC NR: AP6002469

2

diameter and 70 mm high. The resolving power of both spectrometers was 10% at a gamma energy of 661 kev. The coefficient A_2 is found to be -0.05 ± 0.010 , which is somewhat lower than the theoretical value for a pure M1- transition ($A_2 = -0.071$). A curve is given showing the coefficient A_2 as a function of the mixture parameter for a mixture of M1 and E2 radiations in the first transition. This curve shows a mixed transition with a mixture parameter of -0.06 or ± 2.0 . The authors are grateful to P. A. Krupchitskiy and G. A. Lobov who were responsible for the instigation of this experiment. Orig. art. has: 3 figures.

SUB CODE: 18/ SUBM DATE: 250ct65/ ORIG REF: 001/ OTH REF: 005

Card 2/2 *AC*

EXCERPTA MEDICA Sec 2 Vol 12/8 Physiology Aug 59

3803. FREE PROTOPORPHYRIN IN THE ERYTHROCYTES OF HEALTHY PERSONS - Badania wolnej protoporfiryny w erytrocytach zdrowych ludzi -
Tadeusz D. Pracowni Analitycznej Oddz. Chir. Inst. Hematol. - POL.
TYG. LEK. 1958, 13/30 (1141-1143) Graphs 4 Tables 1

Schwartz and Wikoff's modification of the method of Grinstein and Watson was used.
Mean values found were, for women (20 subjects) 40.8 µg./100 g. (s.d. ± 19.7) and
for men (30 subjects) 37.6 µg./100 g. (s.d. ± 19.5). For both sexes the mean was
38.8 µg./100 g. (s.d. ± 19.2). Values of 20 to 60 µg./100 g. for free protoporphyrin in
erythrocytes must be accepted as normal.

(II, 5, 6)

L 3447-66 T JK

ACC NR: AP6026207

(A)

SOURCE CODE: PO/0071/65/000/009/0517/0520

23
B

AUTHOR: Bubien, Zenon--Buben', Z. (Wroclaw); Wartenberg, Lech--Vartenberg, L.
ORG: Section of Toxicology/headed by Docent, Doctor Michal Bohosiewicz, Department
of Pharmacology/headed by Docent, Doctor Tadeusz Garbulinski, Veterinary Faculty,
WSR, Wroclaw (Zaklad Toksykologii, Katedra Farmakologii Wydz. Wet. WSR); Department
of Hygiene of Animal Products/headed by Professor, Doctor Leslaw Ogielski, Veterinary
Faculty, College of Agriculture, Wroclaw (Katedra Higieny Produktow Zwierzeczych
Wydziału Weterynaryjnego Wyższej Szkoły Rolniczej)

TITLE: Toxicity of stale fish oils

SOURCE: Medycyna weterynaryjna, no. 9, 1965, 517-520

TOPIC TAGS: toxicity, food, vitamin, processed animal product

ABSTRACT: Basing themselves on archival materials of the Toxicity Institute, Chair
of Pharmacology, Veterinary Faculty, College of Agriculture, Wroclaw, the authors
made causal analysis and description of several cases of intoxication with stale
fish oils. The intoxications particularly affected young animals, mainly silver
fox, minks, pigs and chickens. Morbidities, and often deaths, were usually caused
by serving stale fish oils. Stale fish oils administered for a longer period of
time in excessive doses appeared to be particularly dangerous. In the sick animals
the symptoms were observed mainly in the alimentary canal, and dissection revealed
degeneration changes of liver, more rarely of other parenchymatous organs. In the
further part of this work there is described the method of sampling fish oils for
laboratory examinations. Orig. art. has: 1 table. [Based on authors' Eng. abst.]
[JPRS: 33,500]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 010 / OTH REF: 006
Card 1/1

0916

1755

TADFUSZ, Lasota

Research on the phosphorus metabolism of certain fodder lupines! Pt. 1.
Influence of the phosphorus supply upon the quality and amount of the
yields. Rocznik nauk roln. 85 no. 1:47-72. '62

1. Zaklad Fizjologii Pozwocju Roslin, Instytut Uprawy, Nawozenia i
Gleboznawstwa, Warszawa. Kierownik: prof. dr. H. Birecka.

POLAND

KAMYSZEK, Franciszek, Regional Institute of Veterinary Hygiene (Wojewodzki Zaklad Higieny Weterynaryjnej) Head (Kierownik) Dr. Tadeusz LOSINSKI, Poznan; Department of Medical Mycology of Medical College (Zaklad Mykologii Lekarskiej AM) Head (Kierownik) Prof. Dr. Jan ALKIEWICZ

"Mykodermina in the Treatment of Fungus Diseases in Guinea Pigs"

Lublin, Medycyna Weterynaryjna, Vol 22, No 11, Nov 66; p. 683-685

Abstract [English summary modified]: Use of the topical preparation Mykodermina (undecylenic acid, acetone, fennel oil, alcohol, glycerin and distilled water) effectively eliminated chronic epizootic of fur infection with Trichophyton mentagrophytes asteroides in 35 out of 526 guinea pigs within 10 to 25 days of treatment; it was easier to use than the Castellani ointment. Photograph of sick animal, 2 photographs of cultures; 2 Polish, including an unpublished and 2 German references.

1/1

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4

Family, . . .

The work of the Krivoy Ethnographic Museum. p. 15" (Ethnographia Vol. 67, no 1/2, 1957 (part 1)).

Mr. Identity List of West European accession (WEL) U.S. Vol. 6 no. 2, July 1957, "Incl.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4"

TADEUSZEMICZ, E.

Nationalization and workers' inventiveness in the leather goods industry, p. 235.
(PPZEGŁAD SKÓRZANY, Łódź, Vol. 8, no. 9, Sept, 1953.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 1, No. 4, Jan. 1955,
Uncl.

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4

TADEUSZEWICZ, E.

Artificial leather, raw material in the production of fancy goods, p. 237.
(PPZECLAD SKÓRZANY, Łódź, Vol. 8, no. 9, Sept. 1953.)

SC: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, Jan. 1955,
Uncl.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4"

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4

Re: F/V, P.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4"

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4

TADIC, A

"Fish Culture in Ponds" p. 180, (NATKA I PRIRODA) (Vol. 6, No. 4, 1953, Beograd,
Yugoslavia.

SO: Monthly List of East European Accessions L. C. Vol. 3, No. 4, April 1954

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4"

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001754710011-4"

TADIC, A.

The biggest multibristled worm in the Adriatic, p. 309
(GLASNIK, Vol. 8, No. 9, Sept. 1956 (Published 1957)

SO: Monthly List of East European Accessions (EEAL) LC Vol. 6, No. 12, Dec. 1957
Uncl.

PA 101101

YUGOSLAVIA/Electricity - Power, Elec- Jan 50
tric
Cost Analysis

"Analysis of Expenditures in Calculating Cost
of Electric Power Production," Aleksandar
Tadic, Commercial Dir, Gen Adm of Elec Econ,
Serbia, 9 pp

"Elektroprivreda" No 1

Suggests systematization of methodology relat-
ing to analysis of nonstandardized expenditures
in calculating cost of producing steam-electric
power.

FDD

161T47

TADIC, A.

"Tariffs for electric power consumption in Serbia in 1952". p. 46. (Elektoprivreda, Vol. 6, no. 2, Mar./Apr. 1953, Beograd.)

East European Vo. 2, No..9

SO: Monthly List of East European Accessions, Library of Congress, September 1953, Uncl.

34-11-A.

Production and consumption of electric power in the People's Republic

of Serbia in 1952-1954. p. 50. Vol. 8, no. 2, Mar./Apr. 1955. Elektroprivreda.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 2, Feb. 1956.

1955, No.

Structure of consumption and average prices for electric power
in communities of various republics according to the Plan for 1955. p. 217.
Vol. 3, no. 4, July/Aug. 1955. Elektroprivreda.

SOURCE: East European Acquisitions List (EEAL), LC, Vol. 5, no. 2, Feb. 1956

TALIC, A.

New prices on electric power for agriculture p. 341.

(MEJDRIRAMA. Vol. 10, No. 7, July 1957, Beograd, Yugoslavia)

SO: Monthly List of First European Access as (FIAL) Lc. Vol. 6, No. 10, October 1957. encl.

TADIC, Aleksandar

3d conference of the economists of the Yugoslav electric power industry, Ohrid, 1961. Elektroprivreda 14 no.9:425-427 S '61.

1. Zajednica elektroprivrednih preduzeca Srbije, Beograd.

TADIC, Aleksandar

The jubilee of the enterprise "Elektroras," celebrated at Novi Pazar. Elektroprivreda 15 no.1:32-33 Ja '62.

TADIC, Aleksandar

Problem of rates in the distribution network after its separation
from the consolidated electric-power industry. Elektroprivreda
15 no.9/10:429-439 S-0 '62.

1. Zajednica electroprivrednih preduzeca Srbije, Beograd.

YUGOSLAVIA/Nuclear Physics - Structure and Properties of Nuclei

C-4

Abs Jour : Ref Zhur - Fizika, No 1, 1959, No 430

Author : Alaga G., Sips L., Tadic D.

Inst : Institute Ruder Boskovic, Zagreb, Yugoslavia

Title :: The Influence of the Pseudoscalar Interaction in the Decay
of Pr¹⁴⁴

Orig Pub : Glasnik mat.-fiz. i astron., 1957, 12, No 3, 207-217

Abstract : A theoretical analysis has been made of the hard component of the beta spectrum of Pr¹⁴⁴ ($E_0 = 2.99$ Mev, $\log ft = 6.6$), corresponding to a $0^- \rightarrow 0^+$ transition between the ground states of Pr¹⁴⁴ and Nd¹⁴⁴, assuming the TP variant of interaction with supplementary account for the possible influence of the nuclear forces. The beta interaction was used in the following form

$$\langle \bar{n} \rangle_B = -g_F \langle \psi \bar{\psi} L_1 \rangle + g_P \langle \bar{\psi} \gamma^\mu L_2 \psi \rangle + \\ \frac{g_E}{2M} \langle \bar{\psi} \gamma^\mu \gamma^\nu \psi \rangle,$$

Card : 1/3

YUGOSLAVIA/Nuclear Physics - Structure and Properties of Nuclei

C-4

Abs Jour : Ref Zhur - Fizika, No 1, 1959, No 430

where L_3 and L_5 are the tensor and pseudoscalar parts of the lepton covariants, \not{r} and \not{P} are the operators of the nucleon spin and momentum. The function $F(r, P, \sigma)$ reflect the influence of the nuclear forces. The matrix elements of this function were treated in the analysis of the spectrum as unknown parameters. The fitting to the experimental form of the spectrum made it possible to determine the parameters g and $\beta = -g \frac{\langle \not{r} \cdot \not{P} \rangle}{\langle \not{r} \cdot \not{r} \rangle}$, which measure the relative

value of the coupling constants and matrix elements. It was found that only positive values of β satisfied the experiment. No conclusion could be made concerning the sign of g . The numerical values of g and β can be varied over a sufficiently wide range. One of the most probable combinations is believed by the authors to be $g = \pm 10$ to 15 and $\beta = 30$ to 40. For various combinations of g and β the authors have calculated the values of the matrix element $\langle \not{r} \cdot \not{P} \rangle$, the value of which lies in this case near 10^{-3} . The work was

Card : 2/3

YUGOSLAVIA/Nuclear Physics - Structure and Properties of Nuclei

C-4

Abs Jour : Ref Zhur - Fizika, No 1, 1959, No 430

performed prior to the discovery of parity non-conservation in β^3 decay. In the remarks it is indicated that, in particular, it is necessary to take into account the possible presence of the A variant. The theoretically-computed form of the β^3 spectrum is obtained for the pure A variant, and this form coincides with the experimental allowed form within 3%.

Card : 3/3

TAL

Distr: 4E3c/4E3d

Calculation of some relativistic corrections to the allowed
and t -forbidden β -transitions. ¹ G. Alaga, L. Sips, and D.
Tadic, Glasnik mat. fiz. i Astron., Ser II, 13, 139-58
(1955). Some values of coupling consts. result in an ob-
servable effect on the spectra, half-life, K/β^+ ratio, and
angular correlations. By assuming a single particle moving
in a static field and by applying the Foldy-Wouthoysen
transformation, these corrections were calcd. The correc-
tions are independent of the model. M.W.

4
2

YUGOSLAVIA/Nuclear Physics - Structure and Properties of Nuclei.

C

Abs Jour : Ref Zhur Fizika, No 4, 1960, 8058

Author : Tadic Dubravko

Inst : Institute "Ruder Boskovic", Zagreb, Yugoslavia

Title : Longitudinal Polarization of β Particles in the Decay
of Pr^{144}

Orig Pub : Glasnik mat.-fiz., astron., 1958, 13, No 4, 267-272

Abstract : Using the formalism of the density matrix, the author calculates the longitudinal polarization of β particles for the transition $0^- \rightarrow 0^+$. The pure axial-vector variant of interaction is considered. The polarization vector of the β particles differs from the value in allowed transitions, by a factor that depends on the energy and on the ratio F of the nuclear matrix elements. An estimate is made of this factor for different values of the

Card 1/2

- 23 -

EMAN, B. (Zagreb); TADIC, D. (Zagreb)

On the deviations from the allowed shape in the allowed β -decay spectra. Glas mat fiz Hrv 16 no.1/2:89-120 '61.

1. Institute "Ruder Boskovic", Zagreb.

ALAGA, G. (Zagreb); SIPS, L. (Zagreb); TADIC, D. (Zagreb)

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